

ABSTRACT OF THE DISCLOSURE

A power-on detector includes a reference potential generation circuit which generates a reference potential, and a comparator which compares the first voltage generated on the basis of the reference potential output from the reference potential generation circuit and the potential of the first potential supply source, and the second voltage generated on the basis of the reference potential and the potential of the second potential supply source different from the potential of the first potential supply source. Power-on is detected when the potential difference between the potentials of the first and second potential supply sources upon power-on becomes larger than the sum of the first and second voltages.